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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके ।

[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

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CORRIGENDUM

(1)

In the Gazette of India, Part III, Section 2 dated 19-7-86 under the heading 'Complete Specification Accepted' on Page 455 and 457,

(i) in respect of Patent Application No. 200/Del/82 *for* Patent Number of Acceptance *read* '157911'.

(ii) in respect of Patent Specification No. 157918 (Appl. No. 292/Del 82) *for* date of filing of Application *read* '12th April 1982.

(2)

In the Gazette of India, Part III, Section 2 dated the 19th July 1986, under the heading "Opposition Proceeding" on page 458, Column (1) and Item (I)

(i)*For* Patent No. "156041" *read* "156941"

(3)

In the Gazette of India Part III Section 2 dated 7th June, 1986 under the heading "Application for Patents filed at the head office, 214, Acharya Jagadish Bose Road, Calcutta-700017."

In page 382, Column 1 against No. 347/Cal/86.

For "Narendra Kumar Sharma.

Improved in TV signal booster".

Read "Narendra Kumar Sharma.

Improvement in TV signal booster".

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700017

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

20th August 1986

634/Cal/86 Yuan-Ho Lee. Molding device for modular concrete unite.

635/Cal/86 Gewerkschaft Eisenhutte Westfalia Gmbh. Mine plough installation with knife plough.

21st August, 1986

636/Cal/86 American Hoechst Corporation. Process for the preparation of copper complex disazo compounds.

637/Cal/86 Siemens Aktiengesellschaft. A contect mat for keyboards.

22nd August, 1986

638/Ca/186 American Cyanamid Company. Outdoor films stabilized against chemical attack.

639/Cal/86 Hoechst Aktiengesellschaft. Water-soluble triphendioxazine compounds, process for their preparation, and their use as dyestuffs.

640/Cal/86 Carrier Corporation. A method of assembling a compressor. [Divisional date 12th August, 1983].

25th August, 1986

641/Cal/86 (1) Medical College of Ohio, (2) Trustees of Columbia University. Process for the preparation of novel peptides which antagonize the antidiuretic and/or vasopressor action of arginine vasopressin. [Divisional date 11th March, 1982].

642/Cal/86 Trutzschler Gmbh & Co. KG. A device for the transportation of at least one can between a sliver supplying and a sliver loading spinning machine.

643/Cal/86 Kraftwerk Union Aktiengesellschaft. Device for the leakage-free removal of bearing oil from sliding bearings for rotating shafts of high-speed machines.

644/Cal/86 EMS—Inventa AG. Apparatus for cooling and conditioning melt-spun material.

26th August, 1986

645/Cal/86 Siemens Aktiengesellschaft. Method and circuit arrangement for the transmission of data signals between control devices connected to one another via a loop system.

646/Cal/86 Siemens Aktiengesellschaft. Circuit arrangement for the transmission of data signals between control devices connected to one another via a loop system.

647/Cal/86 Siemens Agtiengesellschaft. Method and circuit arrangement for the transmission of data signals between control devices connected to one another via a loop system.

648/Cal/86 Siemens Aktiengesellschaft. Method and circuit arrangement for the transmission of data signals between two control devices belonging to a loop system.

649/Cal/86 Siemens Aktiengesellschaft. Method and circuit arrangement for the transmission of data signals to a group of control devices belonging to a loop system.

COMPLETE SPECIFICATION ACCEPTED

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CLASS : 32-E. 158194

Int. Cl. : C 08 d 3/00, 15/00.

PROCESS FOR PREPARING A STABLE AND TRANSPARENT MICROLATEX USED FOR INJECTION INTO OIL OR GAS WELLS.

Applicant : INSTITUT FRANCAIS DU PETROLE, 4, AVENUE DE BOIS BREAU, 92502 RUEIL MALMAISON, FRANCE.

Inventors : 1. FRANCOISE CANDAU, 2. YEE-SING LEONG, 3. NORBERT KOHLER, 4. FRANCOIS DAWANS.

Application No. 416/Cal/83 filed April 8, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A process for preparing a stable and transparent microlatex comprising the following steps :

(a) a stable and transport microemulsion of the wate-in-oil type is prepared by admixing (i) an aqueous phase comprising an aqueous solution of at least one water-soluble vinyl monomer selected from acrylamide, acrylic acid, N-vinyl pyrrolidone, and a vinyl-sulfobetaine with (ii) an oil phase comprising a hydrocarbon oil and at least one surfactant, in the optional presence of a co-surfactant, the nature and the proportions of the above components being so selected as to satisfy the following two conditions :

(1) the surfctant content of the oil phase is at least 2% by weight, the microemulsion comprises 1-50% by weight of the aqueous phase and 99-50% by weight of the oil phase and the aqueous phase comprises 5-55% by weight of the water-soluble vinyl monomer and 95-45% by weight of water, and

(2) the mixture of the two phases constitutes a stable and transparent microemulsion,

(b) the microemulsion obtained in step (a) is subjected to polymerization by photochemical or thermal way, optionally, when the monomer is acrylamide, in the presence of an alkaline reactant to effect partial hydrolysis of the polyacrylamide to be obtained, said process producing a stable and transparent microlatex of polymer or copolymer of high molecular weight.

Compl. Specn. 19 pages. Drg. 2 sheets.

CLASS : 33-C & E. 158195

Int. Cl. : B 21 c 5/18.

An IMPROVED METHOD FOR THE RESTORATION OF OLD FOUNDRY SAND INTO REUSABLE QUALITY FOUNDRY SAND.

Applicants & Inventors : HUBERT EIRICH OF SANDWEG 16, 6969 HARDHEIM, WEST GERMANY; PAUL EIRICH OF BAHNHOFSTRASSE 11, 6969 HARDHEM, WEST GERMANY AND WALTER EIRICH OF SPESSARTWEG 16, 6969 MARDHEIM, WEST GERMANY.

Application No. 626/Cal/83 filed May 19, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

An improved method for the restoration of old foundry sand into reusable quality foundry sand, wherein old sand is remixed with water, bonding agent (e.g. Bentonite), additive (e.g. coaldust, starch) and fresh sand and wherein the moisture and compressibility of the sand are calculated and suitable amounts of water, fresh sand and other additives are added to a given composition of old foundry sand with fluctuating properties or different sand characteristic characterized in that for a predetermined sand characteristic a desired value (Z) is stipulated both for compressibility (C) and for moisture (Z'); the actual value (Y) for compressibility (A) and moisture content (Y') of mix are measured in a first stage (I) and necessary amount (representing the difference between Z' and Y') of water is added to the mix for correcting the moisture (from Y' to Z'); then the actual value (X) for compressibility (B) is remeasured in a second stage (II) as a counter check; and the difference (B—C) between the compressibility last ascertained (B) and the desired compressibility (C) is used as a correcting value (d) which may be limited to a predetermined tolerance range to adjust a straight calibration line of the first measuring stage (I) for the first actual value measurement, to determine and add the correct amount of water or fresh sand to the mix.

Compl. Specn. 16 pages. Drg. 2 sheets.

CLASS : 172-C_1. 158196

Int. Cl. : C 01 g 15/00, 15/84.

STAVES FOR CARDING MACHINES FOR CARDING OF RAW JUTE.

Applicant : KINGSLEY CORPORATION PVT. LTD., 7, CHITTARANJAN AVENUE, CALCUTTA-700 072, WEST BENGAL, INDIA.

Inventor : 1. SRI KISHAN KUMAR KHAITAN.

Application No. 842/Cal/83 filed July 8, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A stave for carding machines for carding of raw jute comprising an arc shaped wooden device having a thickness and a radius of conveture corresponding to that of drum on which it is to be fixed, characterised in that the stave has at its two ends projections at the outer and inner surface portions of the stave whereby the said projections along with the end surfaces at either end form angular channels in a complementary manner so that when the staves are placed on one another the adjacent staves are coupled in situ by means of the said channel projections, further characterised in that there are pins fixed at an angle to and on the outer surface of the stave in multiple rows and multiple columns.

Compl. Specn. 7 pages. Drg. 4 sheets.

CLASS : 98-E. 158197

Int. Cl. : F 28 c 21/00.

HEAT EXCHANGER FOR COOLING A FLUID.

Applicant : KRW ENERGY SYSTEMS INC. OF THREE GREENWAY PLAZA, HOUSTON, TEXAS 77046, UNITED STATES OF AMERICA.

Inventor : 1. DAVID CLARENCE MARBURGER.

Application No. 1040/Cal/83 filed August 25, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A heat exchanger for cooling a fluid comprising a shell (22) defining therein an inlet plenum (26) and having a tubesheet (28) extending thereacross and tubes (3) mounted in said tubesheet (28) so as to be in flow communication with said inlet plenum (26), characterized by a tube inlet guide panel configuration (38) overlaying, said tubesheet (28) in sapced relationship therefrom to provide a passageway and having funnel-shaped sections with tubular ends (34) extending into said tubes (30) for guiding said fluid into said tubes (30) and a cooling means (40) in communication with the passageway between said tube sheet (28) and said inlet guide panel configuration (32).

Compl. Specn. 8 pages. Drg. 1 sheet

CLASS : 2-A_2. 158198

Int. Cl. : G 09 f 11/04, 11/06, 11/08.

ADVERTISING MACHINE.

Applicant & Inventor : DILIP KUMAR CHATTERJEE, 4, MAHARAJA NANDA KUMAR ROAD, CALCUTTA-700 029, WEST BENGAL, INDIA.

Application No. 126/Cal/83 filed October 12, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

An advertising machine comprising a series of radially arranged advertising panles or flaps, each flap being pivotally mounted at its inner end on two movable discs attached to a vertical central shaft, a driving lever adapted to shift a flap from one position to another pre-determined position, the laid driving lever carrying a first catch arrangement which is adapted to release a second catch arrangement provided on the body of the machine for restricting the movements of the flaps, and means for causing the to-and-fro movement of the said lever whereby one flap after the other is moved from one position to the next pre-determined position at intervals by the said driving lever.

Compl. Specn. 10 pages. Drg. 2 sheets

CLASS : 10-F. 158199

Int. Cl. : F 42 b 13/06.

IMPROVEMENTS TO PROJECTILES INTENDED TO BE FIRED BY A FIRE-ARM.

Applicant & Inventor : SERGE LADRIERE, OF VILLA KHALOUATNA, AVENUE DU CAP ROUX, 60360 EZE SUR MER, FRANCE.

Application No. 1442/Cal/83 filed November 23, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

25 Claims

A projectile intended to be fired by a fire-arm, comprising a central core (1), a rear body (2) whose diameter determines the caliber of the projectile, and interlocking means between said central core (1) and said rear body (2), characterized by the fact that these interlocking means comprise, on the one hand, a conical sleeve coupling (6, 5) formed by a conical housing (6) and a conical finger (5) having complementary shapes and, on the other hand, an axial abutment surface (15) and by the fact that the rear body (2) comprises, at least one swelling (A_1, A_4, A_6, D_3, B_2, B_4) cooperating with the barrel of the weap on and at least one hollow (A_3, A_5, B_{14}, B_{15}), this swelling and this hollow being joined progressively together so as to define a profiled shape.

Compl. Specn. 13 pages. Drg. 8 sheets.

CLASS : 47-C & E. 158200

Int. Cl. : C 10 b 25/12.

COKE OVEN DOOR.

Applicant : DR. C. OTTO & COMP. GmbH., OF POSTFACH 101850, D-4630 BOCHUM 1, WEST GERMANY.

Inventors : 1. HEINRICH SPINDELER, 2. FOLKARD WACKERBARTH, 3. HELMUTH KAYSER.

Application No. 1603/Cal/83 filed December 31, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

A coke oven door providing a sealing closure of the openings in coking chambers of a battery of horizontal coke ovens, the door comprising a door member having latching means disposed in its top part and bottom part, the door member also having a peripheral sealing strip which is disposed adjustably on the door member surfaces which are perpendicular to the oven chamber and which when the door is being placed in position press sealingly on to the door frame extending around the chamber, the latching mechanism comprising latches whose ends move behind latch hooks secured to the door frame, characterised in that the door member comprises a steel box-section member (1, 30), a closed peripheral frame (13) is provided on that outer peripheral surface of the door member which is near the chamber, and the box member is formed on the side distal from the chamber and in its top part and bottom part with apertures to receive the latching means (8).

Compl. Specn. 11 pages. Drg. 3 sheets.

CLASS : 32 C. 158201

Int. Cl. : C 07 g—3/00, C 08 b—19/00.

AN IMPROVED PROCESS FOR THE PREPARATION OF CARBOXYALKYL DERIVATIVES OF POLYGALACTOMANNANS.

Applicants : HINDUSTAN LEVER LTD., 165-166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : 1. HARIHARAN RAMAN, 2. VAIDYANATHASWAMY RAMASUBRAMANIAN, 3. KRISHNAMOORTHY CHANDRASEKARAN.

Appplication No. 169/Bom/83 filed May 17, 1983.

Compl. after prov. left June 11, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

13 Claims

An improved process for preparation of carboxyalkyl derivatives of polygalactomannans having increased solution viscosity which comprises reacting the polygalactomannan with a halo fatty acid reactant having 2 to 4 carbon atoms in fatty chain in the presence of an alkali metal hydroxide, said reaction being carried out in an aqueous alcoholic solvent medium characterised by the improvement that the alkali metal hydroxide is added in two portions in two stages, viz. the first portion being added at ambient temperature to said polygalactomannan in amounts sufficient to swell the same, whereafter the required amount of halo fatty acid reactant is added, followed by the addition of the remaining portion of the alkali metal hydroxide slowly to the reaction mixture, heated preferably to reflux temperature, with the proviso that the amount of first portion of alkali metal hydroxide is stoichiometrically equivalent to the halo fatty acid and ensures a pH of 6.5 to 7.5 in the reaction mixture after the addition of halo fatty acid but before the addition of the second portion of the alkali metal hydroxide at the reflux temperature, after which the reaction mixture is cooled at the completion of the reaction and the product is recovered in conventional manner.

Compl. Specn. 19 pages. Drgs. Nil.

Prov. Specn. 11 pages. Drgs. Nil.

CLASS : 196 B_2. 158202

Int. Cl. : F 24 F 13/00.

DIGITAL THERMOSTAT MODULE SYSTEM FOR AIR CONDITIONER.

Applicant & Inventor : SUNIL KUMAR COUGNERY, JAGADISH PRASAD AND BIMAL KUMAR COUGNERY, ALL BEING INDIAN CITIZENS & PARTNERS OF : ECLAIR ELECTRONICS, 2/305 ASHIRWAD HEAVY INDUSTRIAL ESTATE, RAM MANDIR ROAD, GOREGAON (W), BOMBAY-400 062, INDIA.

Application No 173/Bom/1983 filed May 21, 1983.

Compl. After provisional left July 20, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims

A digital thermostat module system for air conditioner comprising in combination :

(i) a HT & switching module 1

(ii) a Power supply module 2

(iii) a Display and logic module 3.

(iv) a Controller module 4, and

(v) a Variable Frequency (V-F) converter module 5 wherein a set of independent switches one for fan motor and the other for compressor is provided in the said HT and switching module 1, the desired room temperature setting being done by temperature setting control and temperature variation sensing and monitoring being done by said controller module 4 connected to said HT and Switching module 1 through the said independent switches which are activated by said switching module 1 to maintain room temperature constant by automatically switching 'ON/OFF' the compressor of airconditioner to which said digital thermostat module is fitted and the room temperature being indicated and display and logic module connected through V-F converter module 5 and the compressor 'ON/OFF' indication being displayed on said module control panel.

Complete specification 7 pages. Drg. Nil.

Prov. specn. 6 pages. Drg. 1 sheet.

IND. CL. : 105, 143 C. 158203

Int. Cl. : B 65 d 75/00.

Title : A STRIP PACKING MACHINE INCLUDING A MODULAR CONTROL PANEL AND MEANS FOR ACTUATING SCISSOR ASSEMBLY FOR CUTTING THE STRIP.

Applicant & Inventor : ISRAEL RAVIPRAKASH SOANS, AN INDIAN CITIZEN, 702, BENLIZ, DR. PETER DIAS ROAD, NEAR MEHBOOB STUDIOS, BANDRA (WEST), BOMBAY-400 050, INDIA.

Application No. 181/Bom/1983 filed on 30th May 1983.

Complete after provisional filed on 20th July, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch-13.

3 Claims

A strip packing machine including a modular control panel and means for actuating scissor assembly for cutting the strip wherein the control panel comprises :

(a) an ammeter,

(b) switch means with pilot lamp indicators connected to respective 3-pin sockets for switching 'ON/OFF'

(i) mains supply,

(ii) cartridge heaters controlled by thermostats,

(iii) prime mover,

(iv) multiway selector switch means for controlling variable cutting ratios for strip packed material, and optionally

(v) a counter assembly for counting, totalising and/or printing on a ticket the number of strips packed per batch by the strip packing machine, and wherein the means for actuating scissor assembly comprises two independent operating and cutting means comprising pneumatic air cylinders provided for actuating solenoid valves wherein one of said solenoid valves actuates vertical movement of lifting/lowering a pair of scissor blades mounted on a plate wokring on dovetail guides fitted within a strip packing machine and the other actuating horizontal movement of scissor blade for cutting the packed strip with desired ratio of tablets, the said solenoid valves being actuated either by micro switches or by electronic sensors comprising infra-red LED's and photo cells introduced into the circuitry such that the ratio from one to the other for strip packing material is changed instantaneously by turning the knob of the said multi-way switch on its axis from one position to the other, and wherein said actuators actuating the said solenoid valves are connected to a counter assembly on the modular control panel for counting, totalising and/or printing the number of strips packed by the strip packing machine per batch production.

Prov. Specn. 10 pages. Drgs. 3 sheets.

Complete Specification 13 pages. Drg. Nil.

CLASS : 36 A_{11}. 158204

Int. Cl. : F 04 D 29/00.

AN IMPROVED IMPELLER FOR USE IN A REGENERATIVE SIDE CHANNEL PUMP AND A REGENERATIVE SIDE CHANNEL PUMPING HAVING THE SAME.

Applicants : CROMPTON GREAVES LTD., 1. V. B. GANDHI MARG, BOMBAY-400 023, INDIA.

Inventors : (1) MAKARAND MADHUKAR OKA and (2) ABHAY RAGHUNATH KENY.

Application No. 222/Bom/1983 filed July 11, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

6 Claims

An improved impeller for use in a regenerative side channel pump, said impeller comprising a disc provided with an axial bore with a keyway, a hub, a plurality of spaced apart venes radially along its outer periphery, said vanes being straight in the axial plane and radial plane of said disc, the improvement being that a reinforcing cum interconnecting protective ring is provided rigidly around the tips or outer ends of said vanes in order to increase efficiency of said pump and reduce noise emission from said pump.

Compl. Specn. 11 pages. Drgs. 10 sheets.

CLASS : 187 E_2. 158205

Int. Cl. : H04 R 9/00.

A METHOD OF MANUFACTURING AN IMPROVED POLE PLATE FORMING THE AIRIGAP IN THE MAGNET SYSTEM OF A LOUDSPEAKER, AN IMPROVED POLE PLATE OBTAINED THEREBY AND A LOUDSPEAKER HAVING THE IMPROVED POLE PLATE.

Applicants : PEICU ELECTRONICS & ELECTRICALS LTD., SHIVA ESTATE, BLOCK 'A', DR. ANNIE BESANT ROAD, BOMBAY-400 018, INDIA.

Inventor : (1) MADHAV ANANT GODBOLE.

Application No. 230/Bom/1983 filed July 29, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims

1. A method of manufacturing an improved pole plate forming the air gap in the magnet system of a loudspeaker, said method comprising :

(i) determining (having regard to the required magnetic field strength in the air-gap) the minimum material

thickness of said pole plate required to avoid magnetic saturation thereof, the diameter of the hole to be provided through said pole plate and the height of said air-gap;

(ii) selecting or making a magnetic material plate of the determined minimum material thickness;

(iii) piercing an opening through said magnetic material plate, the diameter of said opening being smaller than the determined diameter of said hole, the difference in diameters of said opening and hole depending on the height of the rim hereinafter referred to;

(iv) simultaneously forming said hole and a rim around the periphery of said hole by push thro or extrusion such that said minimum material thickness of said plate plus the height of said rim is equal to the height of said air-gap;

(v) calibrating said hole;

(vi) rotofinishing said hole; and

(vii) plating the pole plate obtained.

Compl. Specification 8 pages. Drgs. 2 sheets.

CLASS : 123. 158206

Int. Cl. : A O 1n 5/00.

A PROCESS FOR THE ISOLATION OF PLANT GROWTH PROMOTER FROM RICE BRAN FATTY ACID, DISTILLATION RESIDUE.

Applicants : GODREJ SOAPS PRIVATE LTD., EASTERN EXPRESS HIGHWAY, VIKHROLI, BOMBAY-400 0379, MAHARASHTRA, INDIA.

Inventors : (1) NADIR BURJOR GODREJ & (2) MANMOHAN SHANKAR THAKUR.

Application No. 247/Bom/1983 filed Aug. 11, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

8 Claims

A process for the isolation of plant growth promoter from rice bran fatty acid distillation residue, said process comprising saponifying said residue with an alkali such as herein described in an aqueous medium, treating the resulting reaction mixture with an alkaline earth metal salt such as herein described in an aqueous medium, filtering the reaction mixture, drying the precipitate of filtration, extracting the dried precipitate with an organic solvent such as herein described, concentrating the extracted solution, filtering the concentrated extracted solution and washing the solid mass of filtration with an organic solvent such as herein described to obtain the plant growth promoter.

Compl. Specn. 7 pages. Drgs. Nil.

CLASS : 58 B. 158207

Int. Cl. : E 06 b -1/16.

A PRE FABRICATED COMPOSITE DOOR OR WINDOW FRAME.

Applicant & Inventor VIAY GOVIND GOKHALE, BOMBAY CHEMICALS PRIVATE LIMITED, 129, MAHATMA GANDHI ROAD, BOMBAY-400 23, MAHARASHTRA, INDIA.

Application No. 306/Bom/1983 filed Sep. 26, 1983.

Compl. After Provisional left on Sep. 6, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims

A prefabricated composite door or window frame comprising a pair of spaced apart hollow vertical members and a pair of spaced apart hollow horizontal members, said members made of thin sheets of a material such as mild steel or plastics and interconnected in known manner, said members being filled with a reinforcing material such as cement concrete, cement mortar, lime and sand mixture or oxychloride mixture, said members being provided with a step to accommodate door panels or window panes or shutters in said frame said members being further provided with spaced apart lugs whereby said frame is supportable in a wall.

Compl. Specn. 6 pages. Drg. 1 sheet.

Prov. Specn. 5 pages. Drg. 1 sheet.

CLASS : 134 C + 160 D. 158208

Int. Cl. : 60 g 11/00.

AN IMPACT ABSORBING LOCKABLE RADIAL SUSPENSION SYSTEM FOR WHEELS.

Applicants & Inventor : NIRMAL PLANNALAL, C/O METAL INDUSTRIES BADORA, BETUL, MADHYA PRADESH, INDIA.

Application No. 325/Bom/1983 filed Oct. 19, 1983.

Compl. after provisional left Oct. 15, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

14 Claims

An impact absorbing locable radial suspension system for wheels comprising a plucality of impact absorbing devices mounted radially between wheel rim and wheel hub, said impact absorbing devices being disposed and spaced equiangularly to each other; a plurality of paired interspaced inwardly projecting cleats having co-axial cross through holes and welded along inner circumference of said wheel rim constitute wheel-rim-cleats; said wheel hub provided with a pair of discs with spaced apart peripheral flanges having co-axial cross through holes forms the wheel-hub-disc; each of said impact absorbing devices being structurally and functionally identical comprises a set of curved leaf-spring strips mounted lengthwise circumferentially within said wheel rim, one end of said set of curved leaf-spring strips is directly attached between a pair of said wheel-rim-cleats by a steel pin means, other and of said set of curved leaf-spring strips is connected to said wheel-rim-cleats via a pivoting shackle member which permits resilient movements of said set of curved leaf-spring strips, one end of a radially disposed hydraulic shock absorber co-operating with said set of curved leaf-spring strips is attached to said wheel-rim-cleats by a steel pin means, other end of said hydraulic shock absorber is attached to a common housing member by steel pin means, said common housing member being a paired structure is adapted to firmly bind middle region of said set of curved leaf-spring strips by through-bolt means, a locking member hinge jointed to said set of curved leaf-spring strips and said wheel rim when lowered therebetween, thereby annuling resilient movements of said set of curved leaf-spring strips, a threaded bolt secures said locking member in it's lowered and raised positions, a paired linkage interconnects said common housing member with said peripheral flanges of said wheel-hub-disc.

Compl. Specn. 10 pages. Drgs. 3 sheets.

Prov. Specn. 5 pages. Drgs. 2 sheets

CLASS : 39-N. 158209

Int. Cl. : C 09 k 3/00.

A METHOD FOR PREPARING A REVERSIBLE LIQUID-SOLID PHASE CHANGE COMPOSITION AND REVERSIBLE LIQUID-SOLID PHASE CHANGE COMPOSITION THUS PRODUCED.

Applicant : THE DOW CHEMICAL COMPANY, 2030 DOW CENTER, ABBOTT ROAD, MIDLAND, MICHIGAN 48640, U.S.A.

Inventors : 1. GEORGE ASHEL LANE, 2. HAROLD EVERETT ROSSOW.

Application No. 410/Cal/82 filed April 13, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims

A method for preparing a reversible liquid-soid phase change composition from hydrated $CaCl_2$ for storing energy in solar heating systems which comprises the steps of adding KCl to the hydrated $CaCl_2$, adjusting the weight ratio of KCl to $CaCl_2$ in the composition to a range of from 1 : 50 to 1 : 5, the balance being water up to 100 per cent, the semi-congruent melting behavior of the hydrated $CaCl_2$ being modified to the extent that the mixture approaches the congruent melting behavior as herein defined of a congruently melting mixture and to reduce, during retrieval of the stored heat by crystallization of the mixture, the formation of crystalline $CaCl_2$ hydrate phases other than $CaCl_2.6H_2O$ and, if desired, admixing one or more nucleating agents in said composition in an amount of from 0.005 to 2.0 weight per cent to reduce supercooling to 5°C or less during retrieval of the stored heat by crystallization.

Compl. Specn. 45 pages. Drg. Nil.

CLASS : 40-F; 84-A & B. 158210

Int. Cl. : C 10 g 1/06.

IMPROVED PROCESS FOR RECOVERING HYDROCARBON AND OTHER VALUES FROM SHALE OIL ROCK.

Applicant & Inventor : DR. ROLLAN SWANSON, C/O. CHEMROLL ENTERPRISES, INC., 100 WALL STREET, NEW YORK, N.Y. 10005, UNITED STATES OF AMERICA.

Application No. 120/Cal/83 filed February 1, 1983.

Addition to No. 408/Cal/81 dated 16th April, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims

In a process for recovering hydrocarbon and other values from shale oil rock, the improvement comprising :

(a) reacting in a reaction zone shale oil rock and a reagent of an alkali hydrosulfide, sulfide, polysulfide or a hydrate of same or mixtures of these, in presence of water, optionally hydrogen sulfide or sulfur, at a pressure from subatomospheric to 10 atm.;

(b) separating the hydrocarbon values and a shale oil rock dust gangue from the unreacted portion of said shale oil rock;

(c) further separating the dust gangue from said hydrocarbon values, and

(d) recovering the thus separated dust gangue and hydrocarbon values.

Compl. Specn. 50 pages. Drg. 1 sheet.

CLASS : 32-F_2 b. 158211

Int. Cl. : C 07 d 55/24.

AN IMPROVED PROCESS FOR PREPARING MELAMINE.

Applicant : STAMICARBON B.V., OF P.O. BOX 10, GELEEN, THE NETHERLANDS.

Inventor : 1. RUDOLF VAN HARDEVELD.

Application No. 269/Cal/83 filed March 3, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

An improved process for the preparation of melamine from urea or thermal decomposition products thereof wherein a reaction mixture containing melamine and reaction by-products is cooled with an aqueous medium consisting of water or an aqueous recycle solution from a later phase of the process to form an aqueous product stream containing melamine and reaction by-products, whereafter product melamine is separated from said aqueous product stream leaving a residual aqueous stream still containing reaction by-products, which is recycled into said process, characterized in that, after the separation of product melamine but before recycling the residual aqueous stream still containing reaction by-products into the process, part of this residual aqueous stream is separated from the remainder and is treated by lowering its pH to remove by-products therefrom and subsequently returned to the remainder of the residual aqueous stream still containing reaction by-products that is recycled into the process.

Compl. Specn. 15 pages. Drg. 1 sheet.

CLASS : 190-A & D. 158212

Int. Cl. : F 03 d 11/00.

A WIND TURBINE SYSTEM FOR GENERATING ELECTRIC POWER.

Applicant : UNITED TECHNOLOGIES CORPORATION, AT 1 FINANCIAL PLAZA, HARTFORD, CONNECTICUT 06101, UNITED STATES OF AMERICA.

Inventors : 1. JOSEPH MICHAEL KOS, 2. JOHN PETER PATRICK, 3. KERMIT IVAN HARNER.

Application No. 321/Cal/83 filed March 16, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A wind turbine system for generating electric power, comprising :

a tower;

a rotor disposed on said tower including blades disposed for rotation about an axis and a blade pitch angle change mechanism;

means for providing an actual torque/power signal indicative of actual torque/power generated by said wind turbine system; and

signal processing means for providing a reference torque/power signal indicative of desired generated torque/power, and for providing to said blade pitch angle change mechanism a blade pitch angle reference signal as a function of the difference between said actual torque/power signal and said reference torque/power signal;

characterized by :

motion responsive means disposed on said tower in the vicinity of said rotor for providing a motion signal indicative of motion of said tower parallel with said blade rotation axis; and

said signal processing means comprising means for providing said blade pitch angle reference signal as a function of

both said motion signal and the difference between said actual torque/power signal and said reference torque/power signal.

Compl. Specn. 16 pages. Drg. 1 sheet.

CLASS : 39-E. 158213

Int. Cl. : C 01 b 31/36.

METHOD AND FURNACE FOR MAKING SILICON CARBIDE.

Applicant : NORTON COMPANY, OF 1 NEW BOND STREET, WORCESTER, STATE OF MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventor : 1. AREEKATTUTHAZHAYIL KURUVILLAI KURIAKOSE.

Application No. 331/Cal/83 filed March 18, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A method or making crystalline silicon carbide in an acheson furnace comprising preparing a reaction mix of silica and coke ingredients, packing said reaction mix around a centrally disposed heat source, supplying energy to said heat source for raising the temperature within the mass first to at least 1800°C. for reacting all of the ingredients in the said mix to form fine crystalline silicon carbide and then increasing the temperature of the said reacted mass to a temperature between 2000°C to 2500°C. to obtain increased crystal size of the silicon carbide, the said reaction mix and the reacted mass being held in said reaction zone by means of gates insolated from furnaced walls.

Compl. Specn. 13 pages. Drg. 1 sheet.

CLASS : 40-A¹; 98-H. 158214

Int. Cl. : G 05 d 23/00.

TEMPERATURE CONTROL SYSTEM FOR REACTOR FOR A FLUID REACTION.

Applicant : THE BABCOCK & WILCOX COMPANY, AT 1010 COMMON STREET, P.O. BOX 60035, NEW ORLEANS, LA 70160 UNITED STATES OF AMERICA.

Inventor : 1. SURESH CHANDRA AGARWAL.

Applicantion No. 446/Cal/83 filed April 18, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

An arrangement for controlling the temperature of a reactor for containing a reaction from at least one reactant to at least one product, the reactor having a feed line for the reactant and an effluent line for the product, comprising :—

a feed flow transmitter connected to the feed line for measuring the flow of reactant to the reactor;

an effluent flow transmitter connected to the effluent line for measuring the flow of product from the reactor;

a feed temperature sensor connected to the feed line for sensing the reactant temperature;

an effluent temperature sensor connected to the effluent line for measuring the product temperature;

reactor temperature sensing means connected to the reactor for measuring temperature of reactor;

concentration sensing means connected to the effluent line for measuring the concentration of the at least one product in the effluent line;

a coolant flow line to the reactor forsupplying coolant to thereactor at a coolant flow rate;

coolant flow rate control means in said coolant lines; and

circuit means connected to said feed and effluent flow transmitter,—

said feed and effluent temperature sensors and said reactor temperature and concentration sensing means, for generating a coolant flow signal, said circuit means being connected to said coolant flow control means for controlling the flow of coolant to the reactor according to said coolant flow signal, said circuit means receiving quantities proportional to the heat of reaction for at least one reaction in the reactor, specific heats of the reactant and product, and the heat of vaparization of the coolant, said circuit means being operable to subtract a quantity proportional to an amount of heat consumed in supplying reactant to the reactor from a quantity proportional to an amount of heat generated and lost in the reactor and effluent line and to divide the resulting quantity by the specific heat of the coolant to generate the coolant flow signal.

Compl. Specn. 17 pages. Drg. 1 sheet.

Half Enms 15

CLASS : 158-E₂. 158215

Int. Cl. : E 01 b 35/00, 35/08

A TRAVELLING TRACK TAMPING, LEVELLING AND LINING MACHINE WITH IMPROVED TRACK STABILISING UNIT.

Applicant : FRANZ PLASSER BAHNBAUMASCHINEN-INDUSTRIEGESELLSCHAFT M.B.H., JOHANNESGASES 3, VIENNA 1, AUSTRIA.

Inventor : 1. ING. JOSEF THEURER.

Application No. 514/Cal/83 filed April 27, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A travelling track tamping, levelling and lining machine with improved track stabilising unit comprising a chassis mounted on undercarriages spaced apart from one another and at least one tamping unit which comprises tamping tools designed to be lowered into the ballast bed and to be closed towards one another in pairs and vibrated by squeezing and vibration drives, said tamping tools being mounted on a tool support vertically displaceable by a drive, and further comprising a tracklifting and lining unit provided with lifting and lining drives and preceding the tamping unit and also at least one track stabilising unit which is designed to be brought into form-locking engagement with both rails of the track through its own wheel-and-axle assemblies resigned to travel on the track and which is arranged on the chassis behind the tamping unit in the working direction and the track stabilising unit is designed to be vibrated horizontally by vibratoes and to be subjected to vertical loads through cylinder-and-piston assemblies connected to the chassis, and further comprising a tool control system and at least one levelling and, optionally, lining reference system, characterised in that the tamping and track-lifting and lining units (13, 14/53, 54) are arranged with the associated drives as a working assembly (15/55) on a common tool support frame (16/52) which, at one end, is adapted to be supported on the track by a supporting and guiding single wheel-and-axle assembly (17) in the form of a free steering axle and, at its other end, is pivotally connected for support to the chassis (6/49), the track stabilising unit (36) being arranged between the working assembly (15/55) and the next machine undercarriage (2/47) following in the working direction.

Compl. Specn. 22 pages. Drg. 1 sheet.

CLASS : 88-D. 158216

Int. Cl. : G 01 n 31/00.

DEVICE FOR DETERMINING THE CONCENTRATION OF OXYGEN AND COMBUSTIBLES WITHIN A GAS.

Applicant : THE BABCOCK & WILCOX COMPANY, AT 1010 COMMON STREET, P.O. BOX 60035, NEW ORLEANS, LA 70160, UNITED STATES OF AMERICA.

Inventors : 1. DANIEL CHARLES BARNETT, 2. SHARON LOUISE ZIMMERLIN.

Application No. : 690/Cal/83 filed June 1, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A device for determining the concentration of oxygen and combustibles within a gas comprising an oxygen concentration analyzer, a combustibles concentration analyzer, conduit means for conveying a flow of gas through said oxygen concentration analyzer and said combustibles concentration analyzer, an inlet to said conduit means for receiving a sample of gas to be analyzed, an outlet from said conduit means for discharging said sample after completion of analysis thereof, aspirator means for producing a flow of gas in said conduit means, and plurality of orifices being positioned within the said conduit means for proportioning the flow of said sample through the said conduit means.—

Compl. Specn. 9 pages. Drg. 1 sheet.

CLASS : 146-C. 158217

Int. Cl. : 9 61 b 5/10; G 01 d 21/00.

A DEVICE FOR ASSESSING THE BODY LENGTH BY CARRYING OUT A LENGTH MEASUREMENT.

Applicant & Inventors : IGNATIUS MARIA VALK, OF DASSTRAAT 2, 6531 TA NIJMEGEN, THE NETHERLANDS.

Application No. 759/Cal/83 filed June 16, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A device for assessing the body length by carrying out a length measurement, in which the length of the lower leg is measured and the measured leg is multiplied by a person-bound factor, the device being characterized in that it comprises a chair part *a* and a measuring part *b*, at least one of the parts *a* and *b* being adjustable in a direction of height and displaceable in a direction of height and displaceable in a forward (backward) direction, said measuring part comprising one or two posts along with at least one measuring plate can be placed on the knee.

Compl. Specn. 8 pages. Drg. 1 sheet.

CLASS : 32-F_4. 158218

Int. Cl. : C 07 c 149/00.

PROCESS FOR THE SYNTHESIS OF MERCAPTANS FROM OLEFINES AND SULFURE HYDRIDE BY HETEROGEN CATALYSTS.

Applicant : SOCIETE NATIONALE ELF AQUITANINE (PRODUCTION), OF TOUR AUQUITAINE 92400 COURBEVOIE, FRANCE.

Inventors : 1. EMMANUEL ARRETZ, 2. AIFRED MIRASSOU, 3. CLAUDE LANDOUSSY, 4. PATRICK AUGE.

Application No. 958/Cal/83 filed August 2, 1983.

2— 257GI/86

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

Process for the synthesis of a mercaptan from an olefin, by the action of hydrogen sulphide thereon, in the presence of a catalyst, comprising a cation exchange resin, characterised in that the resin does not contain more than 0.5% of water. this moisture content being determined by drying at 80°C for 6 hours, and that the reaction is carried out at a temperature ranging between 45°C and 75°C.

Compl. Specn. 8 pages. Drg. Nil.

CLASS : 40-F & H; 50-D & E_3. 158219

Int. Cl. : B 01 j 1/22; F 25 b 37/00.

ADSORBER UNIT.

Applicant : LINDE AKTIENGESELLSCHAFT, OF ABRAHAM LINCOLNSTRASSE 21, D-6200 WIESBADEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. MICHAEL METSCHL, 2. HANNSJORG KOCH, 3. WILHELM ROHDE.

Application No. 1453/Cal/83 filed November 25, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

An adsorber unit comprising two adsorber beds which are disposed in a common housing, for the component-wise removal of two components from a gas mixture which contains said two components, wherein one of the components is obtained in an at least partially liquid condition, upon regeneration of the first adsorber bed, while the other component is obtained in a gaseous condition, upon regeneration of the second adsorber bed, characterised in that at least one of the adsorber beds (5, 8, 9, 10) is disposed in an upright position.

Compl. Specn. 11 pages. Drgs. 2 sheets.

CLASS : 94-H. 158220

Int. Cl. : B 02 c 15/00.

METHOD OF AND PLANT FOR GRINDING PULVERULENT OF GRANULAR MATERIALS.

Applicant : F. L. SMIDTH & CO. A/S, OF 77, VIGERSLEV ALLE, DK-2500 VALBY, COPENHAGEN, DENMARK.

Inventor : 1. JAN FOLSBERG.

Application No. 1538/Cal/83 filed December 16, 1983.

Convention dated 16th December 1982 (82-35900' United Kingdom.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A method of grinding pulverulent or granular material by means of a gas-swept vertical roller mill having a rotating grinding table (1) and grinding rollers (3), and a first separator (6) for separating finish ground material from insufficiently ground material, the finish ground material being discharged from the separator and the insufficiently ground material being returned to the grinding table for further grinding, characterized in that a part of the ground material is removed from a mill grinding chamber (5) before being fed to the first separator and in that the removed part of material is separated in a second separator (13) from the

conveying gas and returned to the grinding table (1) for further grinding.

Compl. Specn. 8 pages. Drg. 1 sheet.

CLASS : 32-F$_2$. 158221

Int. Cl. : C 07 c 103/38; C 07 f 9/02.

A METHOD OF PRODUCING AMIDES OF S-[DIALKOXYTHIOPHOSPHORYL] THIOGLYCOLIC ACID.

Applicant : POLSKA AKADEMIA NAUK—CENTRUM BADAN MOLEKULARNYCH i MAKROMOLEKULARNYCH, OF LODZ, UL. BOCZNA 5, POLAND.

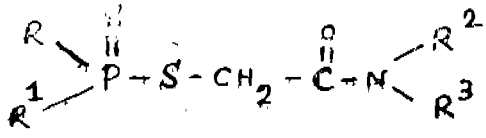
Inventors : 1. JAN MICHALSKI, 2. ANDRZEJ LOPUSINSKI, 3. MAREK POTRZEBOWSKI.

Application No. 293/Cal/84 filed May 2, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

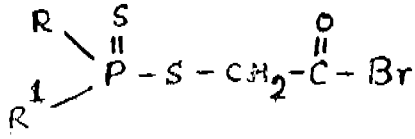
3 Claims

A method of producing amides of S-[dialkoxythiophosphoryl] thioglycolic acid of the general formula 1 of the accompanying drawings,



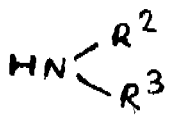
Formula 1

in which R and R^1 are the same or different and denote an alkoxyl group with 1-5 carbon atoms, and R^2 and R^3 are the same or different and denote a hydrogen atom, an alkyl group with 1-6 carbon atoms, an aryl-, pyridyl-and oxydiethylene group, wherein bromine of S-[diakoxythiophosphoryl] thioglycolic acid of the formula 2 of the drawings,



Formula 2

in which R and R^1 have the aforesaid meaning, is treated with amine of the formula 3 of the drawings,



Formula 3

in which R^2 and R^3 have the aforesaid meaning, eventually in the presence of tertiary amine of the formula 4 of the drawings,

Formula 4

in which R^4, R^5 and R^6 are the same or different and denote an alkyl group with 1-6 carbon atoms or an aryl group in the medium of aprotic solvent at the temperature of from -20 to 15°C, preferably from -3 to 5°C, the obtained product is isolated and, optionally, purified by distillation under decreased pressure or by crystallization.

Compl. Specn. 11 pages. Drg. 1 sheet.

CLASS : 55-E$_4$ 158222

Int. Cl. : A 61 k 25/00.

PROCESS FOR PRODUCING PHARMACEUTICALLY ACCEPTABLE COMPOSITIONS EFFECTIVE AGAINST HEPATITIS B. VIRAL INFECTIONS.

Applicant : BIOGEN N.V., AT 15 PETERMAAI, WILLEMSTAD, CURACAO, NETHERLANDS, ANTILLES.

Inventors : 1. KENNETH MURRAY, 2. PATRICIA MACKAY.

Application No. 562/Cal/84 filed August 13, 1984.

Convention dated 12th August, 1983 (83-21789) United Kingdom.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A process for producing a pharmaceutically acceptable composition that is characterized by a component that elicits in a treated patient the formation of antibodies to hepatitis B virale antigens at a titer effective to protect the patent for some period of time against hepatitis B viral infection or at a titer effective to lessen the severity of a hepatitis B viral infection in that patient comprising the steps of :

(a) culturing by a method such as herein described a host transformed with and expressing a DNA sequence encoding at least one polypeptide displaying the antigenicity of hepatitis B Virus core antigen; and

(b) converting by a method such as herein described at least a portion of the polypeptides displaying the antigenicity of hepatitis B Virus core antigen into polypeptides displaying the antigenicity of hepatitis B virus e antigen by treating said extract enzymatically, dissociatively, or proteolytically.

Compl. specn. 31 pages. Drg. 2 sheets.

CLASS : 32-F 3(a) 158223

Int. Cl. : C 07 d 5/34.

PROCESS FOR PREPARING SUBSTITUTED 2, 3-DIHYDRO-BENZOFURAN.

Applicant : ENICHIMICA SECONDARIA S.p.A., OF VIA RUGGERO SETTIMO 55-PALERMO, ITALY.

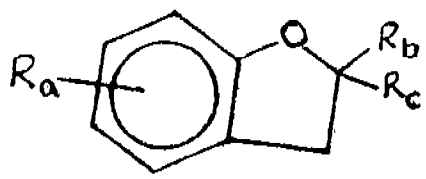
Inventors : (1) CARLO NERI, (2) VILLIAN GIROLIDINI, (3) ANTONIO RINALDI, (4) MARIO TRAVEROSONI, (5) MARIO CLERICI.

Application No. 283/Mas/84 filed April 21, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office. Madras Branch.

4 Claims

Process for the preparation of substituted 2, 3-bihydrobenzofuran of the general formula I shown in the accompanying drawings,

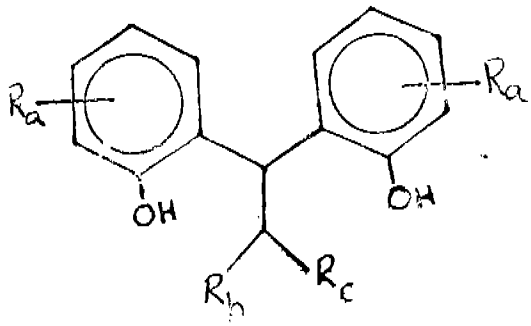


Formula I

Wherein R_a is hydrogen, straight-line or branched alkyl having from 1 to 4 carbon atoms, or a hydroxyl (–OH);

R_b is a straight-line or branched alkyl having from 1 to 6 carbon atoms; and

R_c is hydrogen or has the same meaning as R_b, characterized in that 1, 1-bis (2-hydroxybenzene) alkyl ethane compounds of the general formula II shown in the drawings



Formula II

wherein R_a, R_b and R_c have the meanings as above are subjected to a rearrangement reaction in the presence of catalytic amounts of at least one mineral or organic acid compound, such as herein described, at a temperature ranging from 180°C to 250°C and removing from the reaction mass in vapour form and under reduced pressures the products of the rearrangement reaction as they are being formed.

Compl. specn. 18 pages. Drg. 2 sheets.

CLASS : 32-F3(b) 158224

Int. Cl. : C 07 d 5/36.

PROCESS FOR THE PREPARATION OF 2, 3-BIHYDRO-2, 2-DIMETHYL-7-BENZOFURANOL.

Applicant : ENICHIMICA SECONDARIA S.p.A., A COMPANY ORGANISED UNDER LAW OF THE ITALIAN REPUBLIC OF, VIA RUGGERO SETTIMO 55-PALERMO, ITALY.

Inventors : (1) CARLO NERI, (2) VILLIAM GIROLDINI, (3) MARIO TRAVERSONI, (4) GUIDO GUIZZI, (5) EMILIO PERROTTI, (6) ANTONIO RINALDI.

Application No. 284/Mas/84 filed April 21, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

10 Claims

A process for the preparation of 2, 3-dihydro-2, 2-dimethyl-7-benzofuranol comprising reacting 4-te.t. butylcatechol and isobutyraldehyde in a first reaction stage in a molar ratio of between 0.3 : 1 and 2 : 1 in the presence of an amount of 0.3% to 10% by weight relative to 4-tert. butylcatechol of a catalyst selected from among oxides, hydroxides, alcoholates and carboxylates of a metal belonging to the groups IA, IIA, IIB and VIIB of the Periodic Table at a temperature of from 80°C to 180°C to produce the intermediates 1, 1-bis (2, 3-dihydroxy-5-tert. butylbenzene) dimethyl ethane and 4-tert. butyl-6-isobutyenylcatechol,

removing the unreacted isobutyraldehyde, the water formed as a reaction by-product and the inert solvent by evaporation,

subjecting to rearrangement the reaction mixture in a second reaction stage in the presence of 1% to 10% by weight of an organic or inorganic acid catalyst, such as herein defined, at a temperature of 180°C to 250°C and pressure of 5 mmHg to 50 mmHg and the rearrangement products, namely, 2, 3-dihydro-2, 2-dimethyl-5- tert. butyl-7-benzofuranol and 4-tert, Butyl catechol being removed by vaporization as they are being formed,

recovering the 2, 3-dihydro-2, 2-dimehtyl-5-tert, butyl-7-benzofuranol in any known manner from the vaporized products and dealkylated in a third reaction stage in the presence of 3% to 10% by weight of an acidic catalyst selected from among acid alumina and phosphoric acid, at a temperature of 190°C to 210°C to produce, 2, 3-dihydro-2, 2-dimethyl-7-benofuranol.

Compl. specn. 12 pages. Drg. 2 sheets.

CLASS : 32-F 1 158225

Int. Cl. : C 07 d 39/10.

PROCESS FOR THE PREPARATION OF NOVEL NAPHTHYRIDINE DERIVATIVES.

Applicant : PLABORATOIRE ROGER BELLON, OF 159, AVENUE DE ROULE, 92201, NEUILLY SUR SEINE, FRANCE.

Inventors : (1) JUN-ICHI MATSUMOTO, (2) YOSHIYUKI TAKASE, (4) YOSHIRO NISHIMURA.

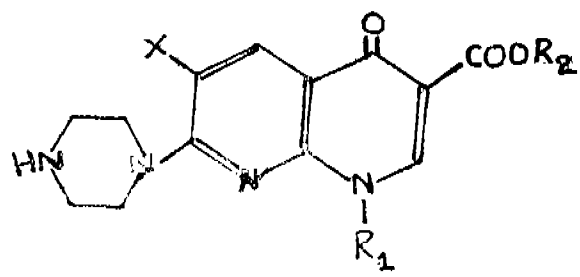
Application No. 333/Mas/84 filed May 5, 1984.

Ante dated to 6-9-1979 (Divisional to Patent No. 154878).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims

A process for preparing a 1, 8-naphthyridine compound of the formula (I) of the accompanying drawings,



Formula I

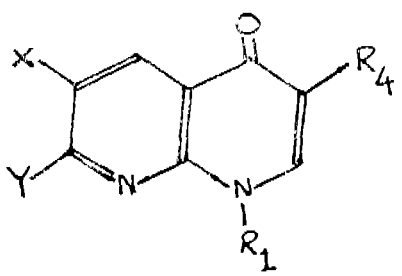
wherein

X is a halogen atom, R_1 is an ethyl or vinyl group, and

R_4 is a hydrogen atom or a lower alkyl group or a nontoxic pharmaceutically acceptable salt thereof,

which comprises

reacting a compound of the formula (II) of the drawings,

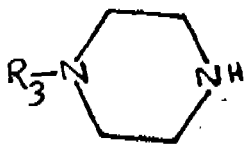


Formula II

wherein

X and R_1 are the same as defined above, Y is a halogen atom, a lower alkoxy group, a lower alkylthio group, a lower alkylsulfinyl group, a lower alkylsulfonyl group, a lower alkylsulfonyloxy group or an arylsulfonyloxy group, and

R_4 is a carboxyl group, a lower alkoxy carbonyl group or a group R_4' (wherein R_4' is a cyano group, an amidino group, a carbamoyl group or a group of $-C(=NH)$-O-lower alkyl with a compound of the formula (III) of the drawings,



Formula III

wherein

R_5 is a hydrogen atom or a protective group which is selected from a acyl group, an o-nitrophenylsulfenyl group, a tri lower alkylsilyl group, a tetrahydropyranyl group a diphenyl-phosphinyl group, an arylsulfonyl group, or a methyl group substituted by phenyl or benzyloxy,

and when reaction product in which R_4 is a group R', hydrolyzing the group R_4' of the reaction product to transform itself into a carboxyl group by contacting the reaction product with water; or

when reaction product in which R_5 is a protective group, removing the protective group R_5 of a reaction product be contacting the reaction product with water or a mixture of a water miscible organic solvent and water or by reducing the reaction product in the presence or absence of a catalyst; and

optionally converting the resulting compound to a nontoxic pharmaceutically acceptable salt thereof by treating the resulting compound with an acid or base.

Compl. specn. 37 pages. Drg. 4 sheets.

CLASS : 32F, 1 158226

Int. Cl. : C 07 d 39/10.

PROCESS FOR THE PREPARATION OF NOVEL NAPTHRIDINE DERIVATIVES.

Applicant : LABORATOIRE ROGER BELLON, OF 159, AVENUE DE ROULE, 92201, NEUILLY SUR SEINE, FRANCE.

Inventors : (1) JUN-ICHI MATSUMOTO, (2) YOSHIYUKI TAKASE, (3) YOSHIRO NISHIMURA.

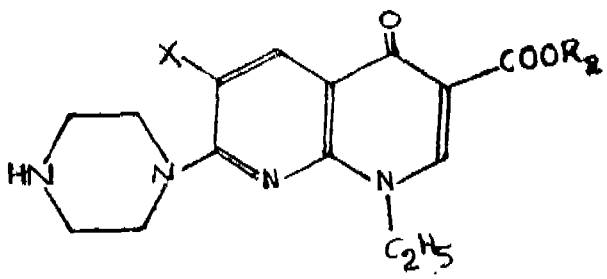
Application No. 334/Mas/84 filed May 5, 1984.

Ante-dated to 6-9-1979 being Divisional to Patent No. 154878 (1487/CAL/82).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims

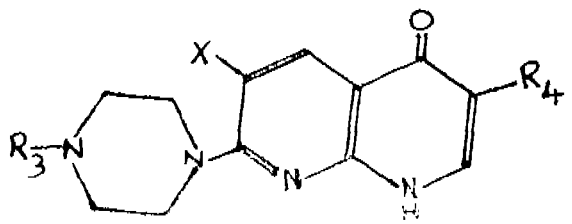
A process for preparing a 1, 8-naphthyridine compound of the formula (I) of the accompanying drawings,



Formula I

wherein X is halogen atom, and

R_5 is a hydrogen atom or a lower alkyl group, or a nontoxic pharmaceutically acceptable salt thereof, which comprises reacting a compound of the formula (II) of the drawings,



Formula II

wherein

X is the same as defined above,

R_5 is a hydrogen atom or a protective group which is selected from any acyl group, an o-nitrophenylsulfenyl group, a tri lower alkylsilyl group, a tetrahydropyranyl group, a diphenyl phosphinyl group, an arylsulfonyl group, or a methyl group substituted by phenyl or benzyloxy, and R_4 is a carboxyl group, a lower alkoxycarbonyl group or a group R_4' (wherein R_4' is a cyano group, an amidino group, a carbamoyl group or a group of —C=NH), O-lower alkyl with a known ethylating agent; and

when reaction product in which R_4 is a group R_4', hydrolyzing the group R_4' of the reaction product to transform itself into a carboxyl group by contacting the reaction product with water; or

when reacaion product in which R_5 is a protective group, removing the protective group R_5 of the reaction product by contacting the reaction product with water or a mixture of a water miscible organic solvent and water or by reducing the reaction product in the presence or absence of a catalyst; and

optionally converting the resulting compound to a nontoxic pharmaceutically acceptable salt thereof by treating the resulting compound with an acid or base.

Comp. Specn. 41 pages Drgs. 3 sheets.

CLASS : 32-F_2(b). 158227

Int. Cl. : C 07 d 27/62.

A PROCESS FOR THE PREPARATION OF 5-HYDROXYTRYPTAMINE FROM COFFEE WAX.

Applicant : SOCIETE DES PRODUITS NESTLE S.A., OF CASE POSTALA 353, 1800 VEVEY, SWITZERLAND.

Inventors : (1) RAYMOND BERTHOLET, (2) PIERRE HIRSBRUNNER.

Application No. 346/Mas/84 filed May 10, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

6 Claims

A process for the preparation of 5-hydroxytryptamine from coffee wax wherein a solution of coffee wax is subjected to alkaline hydrolysis using a strong base in the presence of water in an inert atmosphere after which the reaction medium containing the 5-hydroxytryptamine is recovered characterised in that the solvent for the coffee wax is a compound having the general formula

$$R\text{-}(OC_2H_4)_x\text{-}O\text{-}C_nH_{2n}OH$$

wherein R is hydrogen or an alkyl group containing from 1 to 4 carbon atoms, x is 0 or 1 and n is an integer from 2 to 4 with the proviso that x cannot have a value of 1 when n is 3 or 4 and the amount of solvent of the above formula used is from 20% to 75% by weight based on the weight of coffee wax.

Compl. Specn. 8 pages. Drg. 1 sheet.

CLASS : 32-F.1. 158228

Int. Cl. : C 07 d 27/08.

PROCESS FOR THE PREPARATION OF N-ARYLHALOPYRROLIDONES.

Applicant : STAUFFER CHEMICAL COMPANY, WESTPORT, CONNECTICUT-06881, U.S.A.

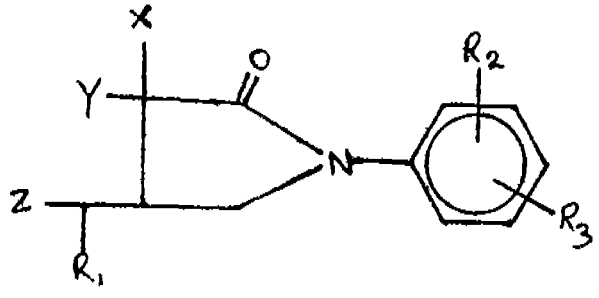
Inventors : (1) MICHAEL DAVID BROADHURST, (2) RICHARD DOUGLAS GLESS.

Application No. 395/Mas/84 filed May 29, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

11 Claims

In a process for the preparation of N-arylhalopyrrolidones having the formula II shown in the accompanying drawing,



Formula II

in which, X is selected from the group consisting of hydrogen, chlorine, bromine and fluorine;

Y is selected from the group consisting of hydrogen, chlorine, bromine and fluorine;

Z is selected from the group consisting of chlorine and bromine;

R_1 is selected from the group consisting of hydrogen and C_1-C_4 alkyl;

R_2 is selected from the group consisting of hydrogen, C_1-C_4 alkyl, acetyl, chlorine, bromine, fluorine, iodine, trifluoromethyl, nitro, cyano, C_1-C_4 alkylsulfonyl, trifluoromethylthio, trifluoromethylsulfinyl, trifluoromethylsulfonyl, pentafluoropropionamido, and 3-methylureido; and

R_3 is selected from the group consisting of hydrogen, C_1-C_4 alkyl, chlorine, and trifluoromethyl, by internal cyclization of the corresponding N-2-alkenyl-α - haloamide in the presence of a copper-containing catalyst such as herein described, the improvement comprising conducting the internal cyclization of the N-2-alkenyl-α - haloamide at a temperature of from 50 to 150°C in the presence of an amine selected from the group consisting of :

(a) primary amines having the formula ANH_2, in which A is a straight or branched-chain alkyl group having from 1 to 20 carbon atoms, optionally substituted by hydroxy; and

(b) secondary amines having the formula A_1NHA_2, in which A_1 A_2 are independently straight—or branched-chain alkyl groups having from 1 to 20 carbon atoms, optionally substituted by hydroxy, exclusive of branched-chain alkyl groups having the branching at the alpha-carbon atom.

Compl. Specn. 14 pages. Drg. 1 sheet.

CLASS : 55-E.2. 158229

Int. Cl. : A 01 n 13/00.

A PROCESS FOR THE PREPARATION OF A FORMULATION FOR THE TREATMENT OF BROWN BAST IN NEVEA.

Applicant & Inventors : KULASEKARAPERUMAL MAHADEVAN PILLAI, MIG-D-6, FORESHORE ESTATE, MADRAS-600 028, TAMIL NADU.

Application No. 404/Mas/84 filed June 2, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

7 Claims. No drawing

A process for the preparation of a formulation for the treatment of brown bast in Hevea comprising the steps of innoculating molasses with yeast and adding urea and P_2O_5 (as phosphoric acid) thereto under exposure to atmosphere to induce enzymetic reaction; reducing the fermentation, after the production of the amylaze enzyme, to a minimum by the addition of copper sulphate to the molasses (coupled with said enzyme) over an interval such as herein described and thereafter bringing down the pH value thereof to 7 by addition of chalk powder thereto; conveying the resulting molasses mass into a batch mixer wherein magnesium sulphate, copper sulphate, zinc sulphate and chalk powder are added thereto and mixed for another interval such as herein described, without increasing the temperature above 90°F; adding to the resulting molasses complex 2, 4, 5—trichlorophenoxyacetic acid dissolved in absolute alcohol and homgenising the batch thereafter for yet another interval of time such as herein described to obtain the said formulation.

Compl. Specn. 14 pages.

CLASS : 32-F.2(b). 158230

Int. Cl. : C 07 d 31/26; 95/00.

PROCESS FOR PREPARING SUBSTITUTED 2, 6-SUBSTITUTED PYRIDINE COMPOUNDS.

Applicant : MONSANTO COMPANY, 800 NORTH LINDBERGH BOULEVARD, ST. LOUIS, MISSOURI 63167, UNITED STATES OF AMERICA.

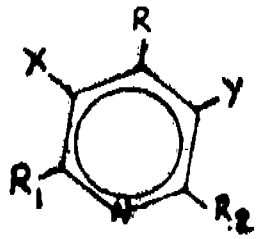
Inventor : LEN FANG LEE.

Application No. 600/Mas/84 filed August 10, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

11 Claims

A process for producing a compound represented by the structural Formula I shown in the accompanying drawings

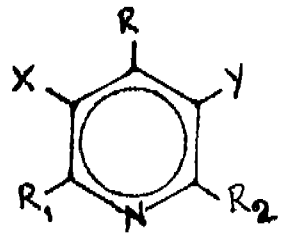


Formula I

wherein : R is selected from the group consisting of lower alkyl, lower alkenyl, lower alkynyl, lower alkenylalkyl, haloalkyl, haloalkenyl, C_{3-7} cycloalkyl, C_{3-6} cycloalkanylalkyl, aryl, arylmethyl, alkoxyalkyl, benzyloxymethyl, alkylthioalkyl, dialkoxyalkyl, (1-alkoxy-1-alkylthio) alkyl, aminoalkyl, alkyaminoalkyl, dialkylaminoalkyl, alkylsulfonylalkyl, alkylsulfinylalkyl, alkyl substituted with a dialkylsulfonium salt, cyanoalkyl, carbalkonxyalkyl, carbalkoxyalkenyl, saturated and unsaturated heterocyclic radicals having 3 to 6 atoms in the ring with 1 to 3 of the atoms being hetero atoms selected from O, S and N and wherein the radical is joined to the pyridine ring by a C-C bond, and lower alkyl substituted with a saturated or unsaturated heterocyclic radical having 3 to 6 atoms in the ring with 1 to 3 of the atoms being hetero atoms selected from O, S and N;

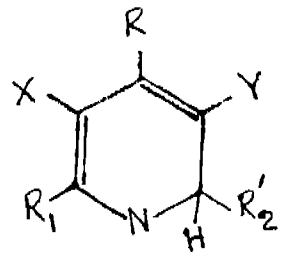
R_1 is fluorinated methyl and R_2 is selected from difluoromethyl, monofluoromethyl and alkyl radicals, and

X and Y are independently selected from the group consisting of the formula shown in Fig. 1A wherein R_3 in each occurrence is independently selected from alkyl C_{1-4}, alkenylalkyl C_{3-4}, haloalkyl C_{2-4} or alkynylalkyl C_{3-4} which comprises reacting the compound of formula 1A shown in the drawings.



Formula 1A

wherein R, R_1, X and Y are the same radicals as those in the product compound and wherein R'_2 is a radical substituted with one or more fluorine atoms than the radical R_2 in the product compound, with an alkali metal borohydride in the presence of a first solvent such as herein described to form a dihydropyridine compound of the formula 1B shown in the drawings;



Formula 1B

contacting said dihydropyridine compound with a nonqueous base compound such as herein described optionally in the presence of a second solvent such as herein described to form the product compound.

Compl. Specn. 221 pages. Drgs. 5 sheets.

CLASS : 55-D.2. 158231

Int. Cl. : A 01 n 9/02.

A PROCESS FOR PREPARING A HERBICIDAL COMPOSITION.

Applicant : STAUFFER CHEMICAL COMPANY, OF WESTPORT, CONNECTICUT 06881, U.S.A.

Inventor : FRANCIS HARRY WALKER.

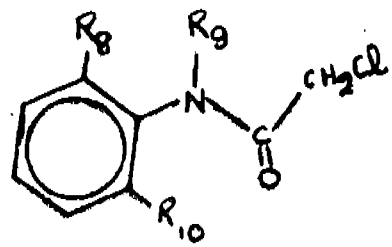
Application No. 624/Mas/84 filed August 21, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims

A process for preparing a herbicidal composition comprising admixing :

(a) an herbicidally effective amount of an acetanilide compound of the formula 1 of the accompanying drawings,

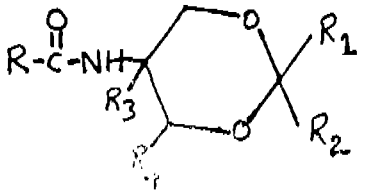


Formula 1

in which R_8 and R_{10} are independently selected from the group consisting of hydrogen; and alkyl having 1-6 carbon atoms, inclusive; and

R_9 is selected from the group consisting of alkyl having 1-6 carbon atoms, inclusive; alkoxy having 1-8 carbon atoms, inclusive; and carbethoxyalkyl wherein the alkyl group has 1-4 carbon atoms, inclusive; and

(b) a non-phytotoxic antidotally effective amount of a compound of the formula 2 of the accompanying drawings,



Formula 2

in which R is haloalkyl wherein halo is chlorine, bromine or iodine and the alkyl group has 1-4 carbon atoms; inclusive;

R_1 is selected from the group consisting of hydrogen; lower alkyl having 1-4 carbon atoms, inclusive; alkenyl having 2-4 carbon atoms, inclusive; and phenyl; R_2 is selected from the group consisting of hydrogen and lower alkyl having 1-4 carbon atoms, inclusive;

R_3 is selected from the group consisting of hydrogen and lower alkyl having 1-4 carbon atoms, inclusive;

R_4 is selected from the group consisting of hydrogen and nitro phenyl group and

either R_3 is hydrogen or R_4 is hydrogen,

wherein the proportion of antidote compound of formula 2 to herbicide compound of formula 1 ranges from 0.001 to 30 parts by weight of the antidote compound per weight of the herbicide compound.

Compl. Specn. 44 pages. Drg. 1 sheet.

CLASS : 92-D & 83-B_3. 158232

Int. Cl. : C 08 b 25/02.

PROCESS FOR MAKING HOT-WATER DISPERSIBLE CORN STARCH HAVING HIGH PASTE VISCOSITY.

Applicant : CPC INTERNATIONAL INC., LOCATED AT INTERNATIONAL PLAZA, P.O. BOX 8000, ENGLEWOOD CLIFFS,, NEW JERSEY 07632, U.S.A.

Inventor : JOHN P. MUDDE.

Application No. 653/Mas/84 filed August 27, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

6 Claims. No drawing

A process for making hot-water dispersible corn starch having high paste viscosity comprising the steps of;

(a) mixing

(i) a starch component comprising granular corn starch,

(ii) a surfactant component comprising at least one surfactant containing a fatty acid moiety, and

(iii) water in the amount of 40% to 50% by weight of the combined mixture;

(b) heating the mixture of step (a) at a temperature from 50°C to 85°C for at least 1 hour in a closed container; and

(c) subjecting the product of step (b) to microwave radiation in an open container until the moisture content of the mixture is reduced to below 15% by weight;

to produce a starch product having substantially complete hot-water dispersibility.

Compl. Specn. 17 pages.

CLASS : 56-C. 158233

Int. Cl. : C 11 b 7/00.

A PROCESS FOR THE DRY FRACTIONATION OF A VEGETABLE FAT.

Applicant : SOCIETE DES PRODUITS NESTLE S.A., OF P.O. BOX 353, 1800 VEVEY, SWITZERLAND.

Inventor : ALBRECHT DIEFFENBACHER.

Application No. 690/Mas/84 filed September 11, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

9 Claims

A process for the dry fractionation of a vegetable fat capable of crystallizing in several forms at temperatures around ambient temperature with a view to obtaining a concrete fraction compatiable with cocoa butter, characterized in that,

(a) the pre-refined fat such as herein described is heated to convert it entirely into liquid form,

(b) the liquid of step (a) is cooled to a temperature 3 to 10°C above its solidification temperature,

(c) it is then seeded with or crystals obtained from said fat or from cocoa butter and stabilized in the required form by storage,

(d) the suspension of step (c) is progressively cooled at a rate of 0.5 to 1.5°C per hour to a fractionation temperature in the range from 15 to 35°C and

(e) the suspension of step (d) is filtered under a pressure at least 20 kg/cm^2 at the fractionation temperature and a concrete fraction (C_1) having an iodine value of at most 50 and a fluid fraction (F_1) having a higher iodine value than the concrete fraction (C_1) are collected, the difference between the iodine value of the fraction (C_1) and that of the fraction (F_1) being at least 10, and if necessary the sequence of operations from the fluid fraction (F_1) and repeated until the desired concrete fraction is obtained.

Compl. Specn. 28 pages. Drgs. 2 sheets.

OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by Research Designs and Standards Organisation to the grant of a Patent on application No. 157354 made by Dr. Anil Kumar Kar.

(2)

An opposition has been entered by Harish Textile Engineers Pvt. Ltd., to the grant of a patent on application No. 157363 made by West Point Pepperell, Inc.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The claim made by ESBI Transmissions Pvt. Ltd., under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 156988 in their name has been allowed.

PRINTED SPECIFICATION PUBLISHED

A limited numebr of printed copies of the undernoted specifications are availablc for sale from the Patent Office, Calcutta and its branches at Bombay, Madras and New Delhi at two rupees per copy :—

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PATENTS SEALED

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AMENDMENT PROCEEDING UNDER SECTION 57

(1)

The amendments proposed by N. V. Philips Gloeilampenfabrieken, of Patent application No. 154622 as advertised in Part III, Section 2 of the Gazette of India dated the 21st December, 1985 have been allowed.

(2)

Ntice is hereby given that Leonard Richard Kahn, of 137 East 36th Street, New York, N. Y. 10016, United States of America, a U.S. Citizen, have made an application under section 57 of the Patent Act, 1970 for amendment of specification, of their Patent application No. 157383 for "An envelope detector for receiving an amplitude modulated carrier signal". The amendment are by way of corretion. The application for amendment and the proposed amendments can be inspected free of charge at the Patent office, 214, Acharya Jagadish Bose Road, Calcutta-700017 or copies of the same can had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on Form 30 within three months from the date of this notification, at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said.

RENEWAL FEES PAID

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CESSATION OF PATENTS

143790 144194 149150 149853

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 147886 granted to Phenoweld Polymer Private Limited for an invention relating to process for the manufacture of moulded articles from cotton fabric wastes".

The patent ceased on the 28th August, 1985 due to nonpayment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2 dated the 2nd August, 1986.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta 700017 on or before the 27th November, 1986 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 153594 granted to Card-O-Matic Pty. Limited for an invention relating to "a method of forming a cora for an electric machine and a core manufactured by the method."

The patent ceased on the 16th January, 1986 due to nonpayment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 19th July, 1986.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta 700017 on or before the 27th November, 1986 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 153819 granted to Arthur Conard Barnes and Carl Edmund Barnes for an invention relating to "a method for the polymerization of 2-pyrrolidone."

The patent ceased on the 17th January, 1986 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 19th July, 1986.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta 700017 on or before the 27th November, 1986 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 153820 granted to Arthur Conard Barnes and Carl Edmund Barnes." for an invention relating to "a process for preparing particulate polypyrrolidone".

The patent ceased on the 28th February, 1986 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 19th July, 1986.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta 700017 on or before the 27th November, 1986 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 153860 granted to Arthur Conard Barnes and Carl Edmund Barnes for an invention relating to "a method of preparing anhydrous solution of quaternary ammonium compounds in 2-pyrrolidone".

The patent ceased on the 30th December, 1985 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 19th July, 1986.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta 700017 on or before the 27th November, 1986 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(6)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 154569 granted to Arthur Conard Barnes and Carl Edmund Barnes, for an invention relating to "method of polymerizing 2-pyrrolidone".

The patent ceased on the 20th April, 1986 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 19th July, 1986.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta 700017 on or before the 27th November, 1986 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(7)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 154589 granted to Hoechst Aktiengesellschaft for an invention relating to "process for the production of liquid chlorine."

The patent ceased on the 28th April, 1986 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 19th July, 1986.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta 700017 on or before the 27th November, 1986 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not to be inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 156903. Emco Electricals Pvt. Ltd., an Indian Company, of 106, Industrial Area, Sion, Bombay-400 022, Maharashtra State, India. a "Brake'. 2nd April, 1986.

Class. 1. No. 156882. M/s. Perfect Steel Products, Madan Mohan Silk Compound, Sonawala Cross Road No. 2, Goregaon (East), Bombay-400 003 (Maharashtra State) India, an Indian Proprietorship Firm. "Spoon". 27th March, 1986.

Class. 1. No. 156906. United Works Private Limited Incorporated in India, 32 Casagrande, Little Gibbs Road, Malabar Hill, City of Bombay 400 006, State of Maharashtra, India. "Gas Regulator". 2nd April, 1986.

Class. 1. No. 156620. Racold Appliances Pvt. Ltd., an Indian Company of Vandhana, 11, Tolstoy Marg, New Delhi-110001, India. "Drum Heaters". 12th February, 1986.

Class. 1. No. 156563. H. S. Dhiman & Bros., 22/1B Nagar Road, Vadgoan Sheri, Pune 411 014, Maharashtra, India "Manually Operated Sand Brick Moulding Machine". 27th January, 1986.

Class. 1. No. 155543. Vijay Kumar Paul of 24 Mandeville Gardens, Flat No. B/2/7, Calcutta-700 019, West Bengal, India, an Indian National. "an Optical Sighting Device". 21st January, 1986.

Class. 1. No. 155712. India Sanitary Industries, 1830, Lal Darwaja, Bazar Sirkiwalan, Delhi-6, India, an Indian Partnership firm. "Liquid Soap Container". 26th February, 1986.

Class. 1. No. 156736. International Business Machines Corporation, a Corporation organised and existing under the laws of the state of New York, United States of America, of Armonk, New York 10504, United States of America. "an Attachment for Typewriter to provide Additional Function". 3rd March, 1986.

Class. 1. Nos 156643 & 156644. Antoine Tawfik Haddad 9853 Waller Court, Richmond, B.C., Canada V7E 5S9., Canadian. "a Board Game". 17th February, 1986.

Class. 3. Nos. 156645 & 156646. Antoine Tawfik Haddad, 9853 Waller Court, Richmond, B.C., Canada V7E 5S9., Canadian. "a Board Game". 17th February, 1986.

Class. 3. No. 156753. CAUZIN SYSTEMS, INC., a corporation organized and existing under the laws of the State of Delaware, United States of America of 835 South Main Street, Waterbury, Connecticut 06706, United States of America, "a Reader for Computer Readable Printed Data". 6th March, 1986.

Class. 3. No. 156579. Khimasia Plastics Private Limited, a Private Limited Company, registered under the Indian Companies Act, incorporated in India, having their registered office at 50-Kazi Sayed Street, Bombay-400 003 (State of Maharashtra) India. "Barrel". 30th January, 1986.

Class. 3. No. 156580. Khimasia Plastics Private Limited, a Private Limited Company, registered under the Indian Companies Act, incorporated in India, having their registered office at 50-Kazi Sayed Street, Bombay-400 003 (State of Maharashtra) India. "Ice Freeze Bottle". 30th January, 1986.

Class. 3. No. CIBA-GEIGY AG., Chemical Manufacturers, of Klybeckstrasse 141, 4002 Basle, Switzerland, a Swiss Corporation. "a Subdivided Membrane Controlled Transdermal System". 20th March, 1986.

Class. 3. No. 156352. Carona Company Limited, an Indian Company duly registered and incorporated under Companies Act and having its Registered Office at : New Udyog Mandir Compound Mogul Lane, Mahim, Bombay-400 016, Maharashtra, India. "Footwear". 25th November, 1985.

Class. 3. No. 156813. CIBA-GEIGY AG., Chemical Manufacturers, of Klybeckstrasse. 141, 4002 Basle, Switzerland, a Swiss Corporation. a "Subdivided Membrane Controlled Transdermal System". 20th March, 1986.

Class. 3. No. 156575. Gunwant Mohanlal Joshi an Indian Citizen, C-1B/24 Aji Industrial Estate Rajkot, 360 003, Gujarat INDIA. "Vapour Generator". 30th January, 1986.

Class. 3. No. 157031. Dynavision Limited, Nea Dr. Vikram Sarabhai Instronics Estate, Kottivakkam, Madras 600 041, Tamil Nadu, India, a company duly organised and existing under the laws of the Union of India. "Television Receiver sets'. 7th May, 1986.

Class. 3. No. 156566. Shri Ashok Dawar, an Indian National whose address is 98/1, Rajinder Nagar, Street No. 8, Dehradun (U.P.) 248001, India. 'Rubber Coated Coir Mattress". 29th January, 1986.

Class. 3. No. 156730. Eagle Flask Private Limited, (a company incorporated under the Provisions of Indian Companies Act) of Eagle Estate, Talegaon 410 507, District Pune, State of Maharashtra, India. "Insulated Container". 27th February, 1986.

Class. 3. No. 156733. Eagle Flask Private Limited, (a company incorporated under the Provisions of Indian Companies Act) of Eagle Estate, Talegaon 410 507, District Pune, State of Maharashtra, India. "Flask", 27th February, 1986.

Class. 3. Nos. 156756 & 156757. D. C. Bhar of 4, Dutta Para Lane, Calcutta-700006, W.B., India, a Proprietary firm. "Container". 7th March, 1986.

Class. 3. No. 156976. Reckitt & Colman of India Limited of 41 Chowringhee Road, Calcutta-700071, West Bengal, India, an Indian Company. "Bottle". 18th April, 1986.

Class. 3. 156759. Naveen Kumar Kataruka 1, Saila Kumar Mukherjee Road, Howrah-711 101, West Bengal, India, Indian Nationality. "Container". 7th March, 1986.

Class. 3. No. 156618. Cosco (India) Private Ltd., an Indian Company, incorporated under the Indian Companies Act, 1956, 2/8, Roop Nagar, Delhi-110 007, Indian. 'Football" 10th February, 1986.

Class. 3. Nos. 156573, 156574. Sandip Kumar Mahansaria, an Indian National, of 8 Camac Street, 8th Floor, Space 15, Calcutta-700 017, State of West Bengal, India. "Ball Point Pen". 30th January, 1986.

Class. 4. No. 156986. Avinash Yeshavantrao Mundiwale, an Indian of c/o. A.G. Kohok, DY. Superintendent of Police, S.P. Office, Solapur City Division, Solapur, Maharashtra, India. "Interlocking Pavement Tiles". 23rd April, 1986.

Class. 5. Nos. 156647, 156648. Antoine Tawfik Haddad, 9853 Waller Court, Richmond, B.C., Canada V7E 5S9., Canadian. "a Board Game". 17th February, 1986.

Class. 5. No. 156861. Lion Pencils Private Limited, a company incorporated under the Provisions of Indian Companies Act, at Andrew Nagar, S.V. Road, Dahisar, Bombay-400 068, State of Maharashtra, India. "PENCIL". 24th March, 1986.

Class. 6. Nos. 156649, 156650. Antoine Tawfik Haddad, 9853 Waller Court, Richmond, B.C., Canada V7E 5S9., Canadian. "a Board Game". 17th February, 1986.

Class. 12. Nos. 156751, 156652. Antoine Tawfik Haddad 9853 Waller Court, Richmond, B.C., Canada V7E 5S9., Canadian. "a Board Game". 17th February, 1986.

Name Index of Applicants for Patents for the Month of December, 1985 in respect of Patent Office Calcutta and its branches at Bombay, Madras and New Delhi. Nos. 851/Cal/85, 941/Cal/85, 320/Bom/85, 371/Bom/85, 969/Mas/85, 1036/Mas/85, 1012/Del/85 and 1127/Del/85.

Name and Appln. No.

—A—

AE PLC—1007/Mas/85.

ASEA Aktiebolag—1116/Del/85.

Aerospatiale Societe Nationale Industrielle—1078/Del/85.

Agrawal M. (Smt.)—357/Bom/85.

Agrichema Material Plusstechnik GmbH— 1045/Del/85.

Albright & Wilson Limited.—1091/Del/85.

American Standard Inc.—978/Mas/85.

Asar H. D.—359/Bom/85.

Atochem—1012/Mas/85.

Austpac Housing Corporation Pty Limited—883/Cal/85.

—B—

BBC Brown, Boveri & Company, Limited—1011/Mas/85.

B.F. Goodrich Company, The—1024/Del/85, 1048/Del/85.

BP Chemicals Limited—1020/Del/85, 1021/Del/85, 1060/Del/85, 1076/Del/85.

Name and Appln. No.

Babcock & Wilcok Company. The—923/Cal/85.

Bayer Akteiengesellschaft—1072/Del/85.

Beloit Corporation—865/Col/85.

Belousov V. D.—899/Cal/85.

Bhatia K. B.—358/Bom/85.

Bhatt G.Y.—341/Bom/85.

Bhatt M. H.—341/Bom/85.

Bhat S. M.—341/Bom/85.

Bhatt S. N.—341/Bom/85.

Botts Company PLC, The—1013/Mas/85.

Brissonnean Et Lotz Marina—1008/Mas/85.

—C—

C. J. Industries—321/Bom/85.

Carborundum Universal Ltd.—1009/Mas/85.

Carroll, N.—917/Cal/85.

Caterpillar Tractor Co.—997/Mas/85.

Chakladar S.—921/Cal/85.

Chakraborty P.—920/Cal/85.

Chandra S.—1022/Del/85.

Chicago Pneumatic Tool Company—889/Cal/85.

Chlorine Engineers Corporation Ltd.—350/Bom/85, 366/Bom/85.

Cibageigy AG.—922/Cal/85.

Clobatech Limited—972/Mas/85.

Clouth Gummiwerke Aktiengesellschaft—1042/Del/85.

Colgate Palmolive Company—1012/Del/85, 1013/Del/85, 1019/Del/85, 1028/Del/85, 1030/Del/85, 1031/Del/85, 1037/Del/85, 1085/Del/85 and 1087/Del/85.

Canpharm—1031/Mas/85.

Corning Glass Works—1016/Mas/85.

Council of Scientific and Industrial Research—1033/Del/85, 1034/Del/85, 1050/Del/85, 1051/Del/85, 1052/Del/85, 1053/Del/85, 1054/Del/85, 1055/Del/85, 1093/Del/85, 1094/Del/85, 1101/Del/85, 1118/Del/85, 1123/Del/85, 1124/Del/85, 1125/Del/85, 1126/Del/85, 1127/Del/85.

Crouzet—1095/Del/85.

Cyanamid Canada Inc.—858/Cal/85.

—D—

Danes G. P.—891/Cal/85.

Davies B. J.—891/Cal/85.

Degussa Aktiengesellschaft—915/Cal/85 and 916/Cal/85.

Desai A.—326/Bom/85.

Desai M.—326/Bom/85.

Desai N. N.—369/Bom/85.

Deshmukh R. S.—337/Bom/85.

Deshmukh V. V.—345/Bom/85.

Detroit Edge Tool Company—933/Cal/85.

Dewan Kraft Systems Pvt. Ltd—1040/Del/85.

Dholaria K. R.—320/Bom/85.

Dow Chemical Company, The.—979/Mas/85, 980/Mas/85, 981/Mas/85, 982/Mas/85, 983/Mas/85 and 984/Mas/85.

Name and Appln. No.

Dresser Industries Inc.,—1007/Mas/85.

Du Pont Canada Inc.—929/Cal/85, 930/Cal/85 and 931/Cal/85.

Dutta S. S.—851/Cal/85.

Dymax Corporation—1090/Del/85.

—E—

E. I. Du Pont De Nemours and Company—911/Cal/85.

Energy Conversion Devices Incs.—1056/Del/85.

Enichem Sintesi SpA—998/Mas/85.

Euroceltique, S. A. 906/Cal/85.

Extraction De Smet—892/Cal/85.

Exxon Production Research & Co.,—1029/Del/85.

Exxon Research & Engineering Company—1032/Del/85.

—F—

Ferodo Ltd.—1108/Del/85.

Ford Aerospace & Communications Corporation—1074/Del/85.

Franz Plasser Bahnbaumaschinen-Industrie-Gesellschaft M. B.H.—932/Cal/85.

Fuller Company—1119/Del/85.

—G—

Gajjar J.—323/Bom/85.

Gajjar J. T.—346/Bom/85.

General Electric Company—934/Cal/85.

Georg Fischer Aktiengesellschaft—910/Cal/85.

Ghosh B. C.—938/Cal/85.

Goran Person Maskin AB—976/Mas/85.

Gostev D. G.—899/Cal/85.

Gresko A. F.—854/Cal/85.

Gromov G. V.—899/Cal/85.

Gruzinsky Nauchno Issledovatelsky Institut Textilnoi Promyshlennosti—941/Cal/85.

Guglich, I.G.—854/Cal/85.

Gulgan, J—1017/Del/85.

Gujarat State Fertilizers Company Limited—352/Bom/85, 353/Bom/85, 354/Bom/85 and 371/Bom/85.

Gujral H. D.—1022/Del/85.

Gupta A. K.—1065/Del/85 and 1066/Del/85.

Gupta, S.—1064/Del/85.

Gupta S. L.—1062/Del/85 and 1063/Del/85.

Guthula, G. K.—999/Mas/85.

—H—

HENDRY J. W.—331/Bom/85.

Hoescht Aktiengesellschaft—896/Cal/85.

Hoechst Aktiengesellschaft—913/Cal/85.

Hoechst Aktiengesellschaft—1023/Mas/85 and 1024/Mas/85.

Honda Giken Kogyo Kabushiki Kaisha—1032/Mas/85.

Hong Sheet Metal PTE Limited—1002/Mas/85.

Huffy Corporation—880/Cal/85 and 881/Cal/85.

Huss H.—875/Cal/85 and 876/Cal/85.

Hydroquibec—1071/Del/85.

Name and Appln. No.

—I—

ICI Australia Ltd.—1046/Del/85.

IMI Titanium Ltd.—1106/Del/85.

Imperial Chemical Industries PLC.—1061/Del/85.

Institut Francais Du Petrole—1017/Mas/85 and 1018/Mas/85.

Insulboard Pty Ltd.—1105/Del/85.

International Business Machines Corporation—992/Mas/85, 1020/Mas/85 and 1021/Mas/85.

Ion Exchange (India) Ltd.—340/Bom/85, 342/Bom/85 and 343/Bom/85.

Isover Saint Bozain—927/Cal/85.

Isovolta Osterreichigehe Isolierstaffworke Aktiengesellschaft —370/Bom/85.

Iyanger, S. K.—330/Bom/85.

—J—

J. G. Mailander GmbH & Co.—973/Mas/85.

Jain V. K.—361/Bom/85.

Jeumont—Schneider—1008/Mas/85.

John & Wyeth & Brother Limited—856/Cal/85.

Johnson Corporation The—1086/Del/85 and 1088/Del/85.

Johnson Matthey Public Limited Company—1044/Del/85.

Jyoli Limited—328/Bom/85 and 329/Bom/85.

—K—

KMW Aktiebolag—1104/Del/85.

Kabra G. K.—1039/Del/85.

Kanegafuchi Kagaku Nogyo Kabushiki Kaisha—1036/Mas/85.

Kapoor, P.—1109/Del/85.

Kapoor, S.—1109/Del/85.

Kelsey Hayes Company—925/Cal/85,

Khandogin V. I.—912/Cal/85.

Khare M.—332/Bom/85 and 333/Bom/85.

Kinariwala S. N.—1014/Del/85 and 1015/Del/85.

Kortec AG.—879/Cal/85.

Kothari S. T.—349/Bom/85.

Krupp Polysins AG.—1089/Del/85.

Kulkarni P. K.—351/Bom/85.

Kulkarni V. P.—351/Bom/85.

Kunte M. V.—360/Bom/85.

—L—

Laboratories Boiron—893/Cal/85.

Lakshmi Machine Works Limited—1019/Mas/85.

Larsen & Toubro Limited—339/Bom/85.

Lubrizol Corporation The—867/Cal/85.

Lubrizol Corporation The—1079/Del/85 and 1107/Del/85.

Luigi Muzabito—970/Mas/85.

—M—

M.A.N. Maschinenfabrik Augusburg-Nurnberg Aktiengesellschaft—1015/Mas/85.

M & T Chemicals Inc.—1025/Del/85.

Maho Werkzeugmaschinenbau Babel & Co.—908/Cal/85.

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Majumder, S.—905/Cal/85.

Marathe U.R.—322/Bom/85.

Maschinenfabrik Rieter Ag.—977/Mas/85, 995/Mas/85 and 1010/Mas/85.

Mathur J. P.—1082/Del/85.

Merck Patent Gesellschaft Met Bescharankter Haftung—939/Cal/85.

Metal Box Public Limited Company—994/Mas/85.

Metallgesellschaft Aktiengesellschaft—924/Cal/85.

Metha M. K.—327/Bom/85.

Mezhotraslevoi Golovnoi Konstruk torsko Tekhnolo Gichesky Institut Tekhnologicheskoi Osnastki (MGKTI Tekhosnastki)—940/Cal/85.

Miner Enterprises, Inc.—1043/Del/85.

Minnesota Mining and Manufacturing Company—1022/Mas/85.

Minnesota Mining and Manufacturing Company—1035/Mas/85.

Mitsubishi Denki Kabushiki Kaisha—335/Bom/85.

Monsanto Company—1006/Mas/85.

Mitsui Toatsu Chemicals Incorporated—866/Cal/85.

Mukherji P. K.—884/Cal/85 and 904/Cal/85.

Mukherji P. K.—935/Cal/85.

—N—

Naik A. D. (Mrs.)—365/Bom/85.

Naik D. D.—365/Bom/85.

Naik P. D.—365/Bom/85.

Naik S. D. 365/Bom/85.

National Biotechnology Board—1016/Del/85.

New Central Jute Mills Co. Ltd.—926/Cal/85.

"Neyrpic"—873/Cal/85.

"Neyrpic"—900/Cal/85.

Nordspace Aktiebolag—874/Cal/85.

Norsk Hydro a.s.—1018/Del/85. and 1035/Del/85. 85.

Nyugatmagyarorzzagi Fagazadasagi Kombinat.—1030/Mas/85,

—O—

Otto India Pvt. Ltd.—898/Cal/85.

Oxiteno S.A. Industria E. Comercio—1092/Del/85.

—P—

Paladon (Engineering) Ltd—1102/Del/85.

Panchal B. M.—362/Bom/85.

Pannalal N.—344/Bom/85.

Parui M. M.—832/Cal/85.

Patel M. A.—324/Bom/85 and 325/Bom/85.

Patel P. M.—324/Bom/85 & 325/Bom/85.

Patel R. A.—324/Bom/85 and 325/Bom/85.

Patel S. S.—324/Bom/85 & 325/Bom/85.

Penner H. C.—857/Cal/85.

Pefrobras Fertili zantes S.A.—1001/Mas/85.

Petro leo Brasileiro S.A.—Petrobras—1001/Mas/85.

Pfister GmbH—993/Mas/85.

Plant Genetics Inc.—877/Cal/85.

Name and Appln. No.

Pont-A-Mousson S. A.—969/Mas/85. & 1004/Mas/85. & 1004/Mas/85.

Precist Power Corporation—868/Cal/85.

Putz H.—914/Cal/85.

—R—

RCA Corporation—859/Cal/85, 860/Cal/85, 861/Cal/85, 862/Cal/85, 863/Cal/85, 864/Cal/85, 870/Cal/85, 886/Cal/85 and 887/Cal/85.

Ramchandra J. N.—334/Bom/85.

Rasa Shoji Kabushiki Kaisha—974/Mas/85.

Raychem Corporation—1014/Mas/85 and 1029/Mas/85. 1029/Mas/85.

Rhone—Poulenc Specialites Chimiques—971/Mas/85.

Rijksuniversiteit Utrecht—878/Cal/85.

Rockwell International Corporation—1057/Del/85.

Ross Operating Valve Company—894/Cal/85.

Rotatrim Limited—986/Mas/85.

Ruhrchemie Aktiengesellschaft—1049/Del/85.

Ruhrkohle A G.—1110/Del/85.

—S—

SKF Steel Engineering AB—987/Mas/85.

Sampanna Industries—1117/Del/85.

Schubert & Salzer Maschinenfabrik Aktiengesellschaft—1026/Mas/85 & 1028/Mas/85.

Secretary of State for trade and Industry in her Britannic Majesty's Government of United Kingdom of Great Britain and Northern Ireland, The.—1111/Del/85, 1112/Del/85 & 1113/Del/85.

Senanayake D. R.—895/Cal/85.

Senco Products, Inc.,—1023/Del/85.

Sentrachem Ltd.—1026/Del/85.

Sethuraman N.—1003/Mas/85.

Shah A.—326/Bom/85.

Shah A. K. (Dr.)—363/Bom/85.

Sharma, M. P.—903/Cal/85.

Shell Internationale Research Maatschappij—975/Mas/85.

B. V.—1034/Mas/85.

Shell Internationale Research Maatschappij B.V.—1034/Mas/85.

Shell Internationale Research Maatschappij B. V.—1070/Del/85 & 1077/Del/85.

Shri Dinesh Mills Limited—356/Bom/85.

Siemens Aktiengesellschaft—888/Cal/85.

Siemens Aktiengesellschaft—936/Cal/85.

Singaravelu K.G.P.—985/Mas/85.

Singh, M. B.—918/Cal/85.

Singh, V.—1114/Del/85.

Single Body Moornings Inc.—901/Cal/85.

Name and Appln. No.

Moornings Inc.—901/Cal/85.

Slavyansky Filial Vesesojuznogo Nauchnoissledovatelskogo I Proektno-Konstrukforskogo Instituta Metallurgicheskogo Mashinostroenia Imeni A.I.—902/Cal/85.

Snamprogetti S.P.A.—1000 Mas/85.

Societe D'Applications Generals D'Electricite Et De Mecanique Sagem—890/Cal/85.

Societe D' Applications Generals D' Electricite Et De Mecanique SAGEM—1059/Del/85.

Societe D' Etudes De Machines Thermiques S.E.M.T.—1036/Del/85.

Societe D' Exploitation des procedes Marechal (SEPM)—1115/Del/85.

Societe Europeenne De propulsion—1120/Del/85.

Societe Principia Researche Development—1121/Del/85

Salanki A. C. (Mrs.)—347/Bom/85 and 364/Bom/85.

Solanki H. V.—347/Bom/85, 348/Bom/85 & 348/Bom/85.

Solanki, J. V.—364/Bom/85.

Stanmicarbon B. V.—989/Bom/85, 990/Mas/85.

Standard Oil Company The—1096/Del/85.

Star Industrial & Textile Enterprises Limited—336/Bom/85.

Stein Industrie—1041/Del/85.

Stevens & Vullivant Limited—1058/Del/85.

Sticht, W.—881/Cal/85.

Stukovnin N. I.—912/Cal/85.

Sulzer Brothers Limited—1073/Del/85.

Sumar, C.—1103/Del/85.

Syntex (U.S.A.) Inc.—1033/Mas/85.

—T—

T. R. Developments Limited—1075/Del/85.

Tata Engineering & Locomotive Company Limited—355/Bom/85.

Thermax Private Ltd.—367/Bom/85 and 368/Bom/85.

Thomas and Pilliner (Propritary) Ltd.—1005/Mas/85.

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Tobu Enterprises Pvt. Ltd.—1084/Del/85.

Trade & Industry Pvt. Ltd.—928/Cal/85.

Tri Star Data—1025/Mas/85.

Troshin V. I.—899/Cal/85.

Tsofina G. I.—899/Cal/85.

—U—

Uop Inc.—1027/Del/85 and 1083/Del/85.

Union Carbide Corporation—1027/Mas/85, 1067/Del/85 and 1069/Del/85.

Urban Transportation Development Corporation—1080/Del/85 and 1081/Del/85.

Name and Appln. No.

—V—

VMEI "Lenin"—996/Mas/85.

VSL International Ag.—1122/Del/85.

Varma B. K. (Dr.)—872/Cal/85.

Vickers Incorporated—897/Cal/85.

Videocolor—1068/Del/85, 1097/Del/85, 1098/Del/85, 1099/Del/85 and 1100/Del/85.

Visser, A. Voest—Apine Aktiengesellschaft—885/Cal/85.

Voest Alipine Aktiengesellschaft—907/Cal/85.

Vohra M. S.—338/Bom/85.

—W—

Wadera B. K.—855/Cal/85.

Name and Appln. No.

Wadhwa S. K.—1038/Del/85.

Warner & Swasey Co. The—1047/Del/85.

Wayne State University—988/Mas/85.

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